

Message Text

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ACTION EUR-12

INFO OCT-01 ARA-10 ISO-00 FEA-01 ACDA-10 CEQ-01 CIAE-00

DOT-00 EPA-04 HEW-06 HUD-02 INR-07 INT-05 L-03

NSAE-00 NSC-05 NSF-02 OIC-02 PA-02 PM-04 PRS-01

SAJ-01 OES-06 SP-02 SS-15 TRSE-00 USIA-15 DODE-00

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TO SECSTATE WASHDC 7256

INFO AMEMBASSY BONN

AMEMBASSY LONDON

AMEMBASSY ROME

AMEMBASSY PARIS

AMEMBASSY MEXICO CITY

USMISSION OECD PARIS

USMISSION EC BRUSSELS

AMEMBASSY ANKARA

AMEMBASSY ATHENS

AMEMBASSY BRUSSELS

AMEMBASSY COPENHAGEN

AMEMBASSY LISBON

AMEMBASSY LUXEMBOURG

AMEMBASSY OSLO

AMEMBASSY OTTAWA

AMEMBASSY REYKJAVIK

AMEMBASSY THE HAGUE

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TAGS: CCMS, ENRG

SUBJECT: CCMS: SPRING PLENARY--GEOTHERMAL ENERGY PILOT STUDY

REF: STATE 81206

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1. DR JAMES BRESEE, PILOT STUDY DIRECTOR (ERDA),
PRESENTED THE REPORT ON THE GEOTHERMAL PILOT STUDY,
NOTING THAT IT IS DRAWING TO A SUCCESSFUL CONCLUSION.
THE SIX TASKS HAVE BEEN REDUCED TO FIVE BY COMBINING

BRINE REINJECTION WITH RESERVOIR ENGINEERING AND RENAMING THE COMBINATION "RESERVOIR ASSESSMENT." THE INFORMATION EXCHANGE PROJECT WILL END IN MAY WITH THE SIGNING OF A FORMAL AGREEMENT BETWEEN THE US AND ITALY TO CONTINUE THE PROGRAM. THE SMALL POWER PLANTS PROJECT WILL END ALSO IN MAY WHEN A SET OF ENGINEERING SPECIFICATIONS FOR A PROTOTYPE PLANT ARE COMPLETED BY EXPERTS FROM FIVE COUNTRIES.

2. THE RESERVOIR ASSESSMENT PROJECT WILL END WITH THE COMPLETION OF PREPARATORY WORK FOR A COMBINED MEXICAN-US STUDY OF THE CERRO PRIETO GEOTHERMAL FIELD UNDER A BILATERAL AGREEMENT REPLACING THE CCMS-SPONSORED INITIAL PHASES. THE NONELECTRIC PROGRAM CONTINUES WITH A FRENCH-SPONSORED MEETING IN PARIS JUNE 9 AND 10, AND A FINAL SEMINAR ON ECONOMICS IN THE SPRING OF 1977 IN THE US. THE DRY HOT ROCK PROGRAM WHICH HAS BEEN CARRIED OUT BY VISITING FOREIGN SCIENTISTS AT LOS ALAMOS, NEW MEXICO, WILL END WITH A FINAL INTERNATIONAL SEMINAR ON THE TECHNOLOGY AT LOS ALAMOS IN MAY OR JUNE, 1977.

3. REPORTS WERE RECEIVED FROM SEVEN OTHER COUNTRIES CONCERNING THEIR PARTICIPATION IN CCMS AND THEIR NATIONAL GEOTHERMAL PROGRAMS.

4. TURKEY (TAHIR ONGUR) REPORTED ON THE IMMINENT FORMATION OF A NEW GEOTHERMAL INSTITUTE TO COORDINATE TURKISH GEOTHERMAL PROGRAMS. THE DEVELOPMENT WORK AT KIZILDERE IS CONTINUING. RECENTLY, A NEW ELECTRIC GENERATOR WAS INSTALLED WHICH RAISES THE GENERATING CAPACITY OF THE NONCONDENSING POWER PLANT TO 430 KILOWATTS. THE CARBON DIOXIDE CONTENT OF THE STEAM HAS DROPPED FROM 22 PER CENT TO 15 PER CENT, OFFERING THE HOPE THAT CONTINUED PRODUCTION WILL PERMIT THE USE OF A CONDENSING TURBINE AND THE CON-

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SEQUENT DOUBLING OF THE POWER CAPACITY. THE ECONOMICS OF NONELECTRIC ENERGY USE AT AFYON, TURKEY, WAS SHOWN TO BE MARGINAL IN A RECENT STUDY, BUT A DECISION HAS BEEN MADE TO PROCEED. ANALYTICAL STUDIES HAVE RECENTLY BEEN CARRIED OUT OF THE USE OF FREON TO PRODUCE ELECTRICITY FROM HOT WATER BELOW 100 DEGREES CENTIGRADE.

5. ITALY: (BARBIER) COMPLIMENTED THE HOWARD CCMS REPORT ON NONELECTRICAL USES OF GEOTHERMAL ENERGY AND SAID THAT IT SHOULD HAVE A STIMULATING EFFECT ON SUCH USES IN ITALY.

6. GREECE (GOUNARIS) PRESENTED AN OVERVIEW OF THE

EXPLANATION OF GEOTHERMAL FLUIDS ON MILOS WHERE GREECE CONCENTRATED MOST OF ITS GEOTHERMAL EFFORTS DURING THE PAST YEAR. MR GOUNARIS THEN SHOWED AN EIGHT-MINUTE MOVIE WHICH DRAMATICALLY ILLUSTRATED THE FLOW OF THE FIRST MILOS WELL AT A RATE OF 60 TONS PER HOUR.

7. CANADA (QUINSEY) REPORTED THAT A STUDY OF GEOTHERMAL ENERGY POTENTIAL IN CANADA BY ALAN JESSOP, CCMS GEOTHERMAL REP, WAS RECENTLY COMPLETED (JESSOP, A.M.: ENERGY R&D PROGRAM STATEMENT, TASK V: EXPLOIT RENEWABLE ENERGY RESOURCES GEOTHERMAL SERIES NR 4, OTTAWA, CANADA 1975, CATALOGUE NO M74-33/4) AND COPIES WERE AVAILABLE. MR QUINSEY ALSO INDICATED PLEASURE THAT THE CCMS INFORMATION SYSTEM WAS ABOUT TO BECOME OPERABLE SINCE CANADA WISHED TO PROVIDE ITS WELL AND FIELD DATA TO AN INTERNATIONAL FILE.

8. PORTUGAL (MENDES-VICTOR) WAS VERY INTERESTED IN THE RESULTS OF THE CCMS SMALL POWER PLANT PROGRAM, SINCE THE AZORES RESOURCES AND ENERGY MARKET APPEAR SUITABLE FOR SUCH A PLANT. A CONTRACT IS EXPECTED TO BE LET IN THE NEXT WEEK OR SO FOR THE FIRST PHASE OF THE DEVELOPMENT OF THE AZORES RESERVOIR. ON THE MAINLAND, THE PRINCIPAL INTEREST IS LOW ENTHALPY RESOURCES FOR SPACE HEATING, AND AN ASSESSMENT PROGRAM IS UNDERWAY TO ESTABLISH THE POTENTIAL OF THESE SOURCES.

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9. THE FRENCH DELEGATION REPORTED THAT THE CCMS MEETING JUNE 9 AND 10 WOULD PROBABLY BE HELD AT THE MINISTRY OF FOREIGN AFFAIRS AND WOULD INVOLVE ON THE SECOND DAY A FIELD TRIP TO CRIEL AND ANOTHER GEOTHERMAL NONELECTRIC SITE NEAR PARIS. OFFICIAL INVITATIONS WILL BE SENT OUT IN A FEW DAYS.

10. FRG (DR KLEIN) ANNOUNCED THAT GERMANY INTENDED TO CONTINUE SENDING PARTICIPANTS TO LOS ALAMOS TO TAKE PART IN THE CCMS DRY HOT ROCK PROGRAM. STRAUSS-HUPE

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